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Docket No.

Serial No.

Filing Date

June 5, 2001

Examiner

Unknown

Group Art Unit

2176

Invention: **REVERSIBLE ARITHMETIC CODING FOR QUANTUM DATA COMPRESSION**

(Identify type of correspondence)

Assistant Commissioner for Patents, Washington, D.C. 20231 on

September 20, 2001

(Date)

Sparkle Gunther

(Typed or Printed Name of Person Mailing Correspondence)

Sparkle Gunther

(Signature of Person Mailing Correspondence)

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#14

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re divisional patent application of

Chuang et al.

Serial No.: 09/873,345

Group Art Unit: 2176

Filed: June 5, 2001

Examiner: Unknown

For: REVERSIBLE ARITHMETIC CODING FOR QUANTUM DATA
COMPRESSION

Assistant Commissioner of Patents
Washington, D.C. 20231

INFORMATION DISCLOSURE STATEMENT

Sir:

Under the provisions of 37 CFR §1.97 through §1.99 and pursuant to applicants' duty of disclosure under 37 CFR §1.56, applicants respectfully bring the following documents, listed on the attached form PTO-1449, to the attention of the Examiner in charge of the above-identified application. Copies of the listed documents are provided herewith for the convenience of the Examiner. This citation does not constitute an admission that the references are relevant or material to the claims. They are only cited as constituting related art of which the applicants are aware.

It is respectfully requested that the listed references be considered by the Examiner and formally made of record in this application.

Please charge any deficiencies in fees and credit any overpayment of fees to Attorney's Deposit Account No. 09-0441.

Respectfully submitted,

Frederick W. Gibb, III

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(Use several sheets if necessary)

SEP 21 2001

AM9-99-0152

09/873,345

Chuang et al.

June 5, 2001

Not Yet Assigned

INITIAL

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

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L.K. Grover, "A Fast Quantum Mechanical Algorithm for Database Search," in Proceedings of the 28th Annual ACM Symposium on Theory of Computation, Philadelphia, Pennsylvania, pp. 212-219, 1996.

C.H. Bennett and P.W. Shor, "Quantum Information Theory," IEEE Trans. Inform. Theory, vol. 44, pp. 2724-2742, October 1998. Commemorative Issue, 1948-1998.

B. Schumacher, "Quantum Coding," *Physical Review A*, vol. 51, pp. 2738-2747, 1995, [11].

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***EXAMINER:** Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.